

ST. JOSEPH'S CONVENT SCHOOL
SYLLABUS 2025 – 2026
CLASS- IX

ENGLISH LANGUAGE:

1st Unit Test:-

1. Prepositions
2. Formal and Informal letter.

Half yearly Examination:-

1. Composition
2. Notice Writing.
3. Email writing
4. Verbs and Tenses.
5. Projects on:
6. Speaking and listening skills.

Final Examination:-

1. Complete language portion (Composition, letters, email, notice, grammar and comprehension).

ENGLISH LITERATURE:

1st Unit Test:-

1. Bonku babu's friend (S. Story)
2. The Night mail (Poem).

Half – Yearly Examination:-

1. Julius Caesar (Act 1- Sc 1,2 and 3.)
2. Oliver asks for more (S. Story).
3. The Model Millionaire (S.Story).
4. Skimble Shanks; The railway cat (Poem).
5. I remember, I remember (poem).
6. Project on literature

Final Examination:-

1. Julius Caesar (Act II -Sc 1,2,3 and 4).
2. Home coming (S. Story)
3. The boy who broke the bank (S.Story).
4. A doctor's journal entry (Poem)
5. A work of Artifice (Poem).
6. Full Portion

ODIA:

1st Unit test:-

1. ଧୂଳିଆ ବାବା
2. ଗାନ୍ଧୀଜୀର ଆଶୀର୍ବାଦ
3. Composition, letter, comprehension and do as directed

Half Yearly Examination:-

1. ଉତ୍କଳ ାକ
2. ଶିକାର
3. କାଳଜୟୀ
4. ବନଫୁ ଉଦୟାନ କୁସୁମ
5. All grammar portion done in the class

Final Examination:-

1. ମୁଖ୍ୟାଦି
2. ନୟନପୁର ଏକ୍ସଲେସ
3. ଗରିବର ଦୁଗବାସ୍ତବ
4. ମହିମା
5. All grammar portion done in the class throughout the Academic year

HINDI

1st Unit Test:-

1. Naya Rasta:- Ch 1,2
2. Grammar:- Vilom, Paryayvachi, Muhavre, Vakya Parivartan.

Half Yearly Examination:-

1. Sahitya Sagar:- Ch 1,2 &3
2. Naya Rasta:- Ch 1 - 10
3. Grammar:- Nibandh, Patra, Unseen Passage, Vyavaharik Vyakaran

Final Examination:-

1. Sahitya Sagar:- Ch 4,5 &6
2. Naya Rasta:- Ch 11-20
3. Grammar:- Nibandh, Patra, Unseen Passage, Vyavaharik Vyakaran

CHEMISTRY

1st Unit Test:-

1. The Language of Chemistry
2. Chemical Changes and Reactions

Half Yearly Examination:-

1. Unit Test Portion
2. Water
3. Atomic Structure and Chemical Bonds
4. Practical Chemistry
5. The Periodic Table
6. Study of Gas Laws

Final Examination:-

1. Half yearly portion
2. Hydrogen

BIOLOGY:

1st Unit Test:-

1. Cell
2. Tissue
3. The flower
4. Pollination and Fertilization

Half yearly Examination:-

1. Seeds
2. Respiration in Plants
3. Five kingdom classification
4. Economic importance of Bacteria and fungi
5. Nutrition
6. Digestive System
7. Skeleton

Final Examination:-

1. Skin
2. The Respiratory system
3. Hygiene
4. Diseases
5. Aids to health
6. Health Organisation
7. Waste Generation n management

PHYSICS

1st Unit Test:-

1. Measurement and Experimentation
2. Motion in one dimension
3. Reflection of light (plane surface)

Half – Yearly Examination:-

1. Reflection of light (spherical surface)
2. Laws of motion
3. Heat and Energy
4. Pressure in fluids and atmospheric pressure
5. Up thrust
(Including the previous chapters taught)

Final Examination:-

1. Sound
2. Current electricity
3. Magnetism
(Including the previous chapters taught)

GEOGRAPHY

1st Unit Test:-

1. Earth as a planet
2. Landforms of the Earth
3. Pollution

Half Yearly Examination:-

1. Geographic grid – latitudes and longitudes
2. Rotation and revolution
3. Earth's structure
4. Landforms of the Earth
5. Rocks
6. Composition and structure of the atmosphere
7. Insolation
8. Pollution
9. Sources of pollution
10. Natural regions of the world (First four natural regions)
Map work

1. Natural regions
2. The oceans, seas, gulfs, and straits

Final Examination:-

1. Volcanoes
 2. Earthquakes
 3. Weathering
 4. Denudation
 5. Hydrosphere
 6. Atmospheric pressure and winds
 7. Humidity
 8. Effects of pollution
 9. Preventive measures
 10. Natural regions (last four natural regions)
Map work
1. Rivers
 2. Mountains
 3. Plateaus

HISTORY

1st Unit Test:-

History

1. The Harappan Civilization

Civics

1. Our Constitution and its Salient Features

Half – Yearly Examination:-

History

- | | | |
|----|-----------------------|-----------|
| 1. | Vedic Civilization | Chapter-2 |
| 2. | The Later Vedic Age | Chapter-3 |
| 3. | Jainism and Buddhism | Chapter-4 |
| 4. | The Mauryan Empire | Chapter-5 |
| 5. | The Sangam Age | Chapter-6 |
| 6. | The age of the Guptas | Chapter-7 |

Civics

- | | | |
|----|----------------------------------|-----------|
| 1. | Fundamental rights and duties. | Chapter-2 |
| 2. | Election and Election commission | Chapter-3 |

Final Examination:-

History

- | | | |
|----|----------------------------|------------|
| 1. | South India and the Cholas | Chapter-8 |
| 2. | The Delhi Sultanate | Chapter-9 |
| 3. | The Mughal Empire | Chapter-10 |
| 4. | The Composite Culture | Chapter-11 |
| 5. | The Renaissance | Chapter-12 |

Civics

- | | | |
|----|-----------------------|-----------|
| 1. | The State Legislature | Chapter-4 |
|----|-----------------------|-----------|

COMPUTER

1st Unit Test:-

1. Object Oriented Programming
2. History and Development of JAVA
3. Concept of Tokens & Data Types
4. Operators and Expressions
5. Mathematical Function
6. Input using Scanner Class
7. General Programming using Scanner Class

Half – Yearly Examination:-

1. Object Oriented Programming
2. History & Development of JAVA
3. Concept of Tokens & Data Types
4. Operators and Expressions
5. Mathematical Function
6. Input using Scanner Class
7. General Programming and Decision making statement (if and switch statement)
8. Iteration Control (Only for loop)

Final Examination:-

1. Object Oriented Programming
2. History & Development of JAVA
3. Concept of Tokens & Data Types
4. Operators and Expressions
5. Mathematical Function
6. Input using Scanner Class
7. Decision making statement (if and switch statement)
8. Iteration Control (for loop & while loop)

ROBOTICS & AI

1st Unit Test:-

1. INTRODUCTION TO ROBOTICS

- i. Understanding Robots [3 Class]
- ii. Evolution of Robots; Laws of Robotics [2 Class]
- iii. Classification of Robots [4 Class]
- iv. Real world Robots and their Applications [3 Class]

Half – Yearly Examination:-

1. ROBOT AS A SYSTEM

- i. Building blocks of Robots [4 Class]
- ii. Identification of Robots [2 Class]

2. INTRODUCTION TO ARTIFICIAL INTELLIGENCE (AI)

- i. Meaning and brief history [3 Class]
- ii. Applications and Benefits of AI [4 Class]
- iii. Ethical Considerations in AI [2 Class]

3. INTRODUCTION TO DATA AND PROGRAMMING WITH PYTHON

- i. Familiarization with Python [2 Class]
- ii. Introduction to data types and variables [4 Class]
- iii. Introduction to Operators [2 Class]
- iv. Conditional Statements [8 Class]

4. ROBOTICS PRACTICAL

- i. Introduction to Electronics and Components
- ii. Arduino Basics – Blinking an LED (Tinkercad Simulation + Hardware)
- iii. Arduino Input – Button Controlled LED (Simulated + Hardware)
- iv. Light Sensor with LDR (Simulated + Hardware)
- v. Ultrasonic Sensor for Distance Measurement (Simulated + Hardware)
- vi. Infrared Sensor to detect objects or surface contrast (black/white)

Final Examination:-

1. CONCEPTS IN ROBOTICS

- i. Types of motion; motion in one-dimension and two-dimension; types of joints and links
- ii. Using links and joints to create specific motion
- iii. Degree of freedom of a robot

2. ROLE OF DATA AND INFORMATION, EVOLUTION OF

- i. Computing
- ii. Data and Information: Types of Data (audio, visual, numeric, text); Data to Information.
- iii. Evolution of Computing: Pre AI/ML Binary Logic System, Conditional Gates, Deterministic computing for deterministic problems.

3. AI CONCEPTS AND AI PROJECT FRAMEWORK

- i. AI Concepts
- ii. Components and Stages (alias AI Project Cycle)

4. INTRODUCTION TO DATA AND PROGRAMMING WITH PYTHON

- i. Class – IX need to be revised
 - a. Familiarization with Python
 - b. Introduction to data types and variables
 - c. Introduction to Operators
 - d. Conditional Statements
- ii. Control Statements
- iii. Functions

5. ROBOTICS PRACTICAL

- i. Assembling a Robot Chassis
- ii. Simple Motion Control – Move Robot Forward/Backward
- iii. 2 real time Project

ECONOMIC APPLICATION

1st Unit Test:-

1. Definition of economics
2. Economic entities

Half – Yearly Examination:-

1. Basic problems of an economy
2. Nature and classification of an economy
3. The sectors of Indian economy
4. Impact of agricultural and industrial practices on the eco system
5. Unit test 1 portion

Final Examination:-

1. Infrastructure of the Indian economy
2. Social infrastructure
3. Consumer awareness
4. Globalization
5. Half yearly portion

MATHEMATICS

1st Unit Test:-

1. L-1 Rational and Irrational numbers
2. L-3 Expansions
3. L-20 Trigonometrical Ratios

Half – Yearly Examination:-

1. L-2 Compound Interest
2. L-4 Factorization
3. L-8 Triangles
4. L-9 Midpoint Theorem & Intercept Theorem
5. L-10 Pythagoras Theorem
6. L-17 Perimeter & Area of Plane figures
7. L18 Circumference & Area of Circle
(Including Previous Chapters taught)

Final Examination:-

1. L-15 Frequency Distribution
2. L-16 Mean & Median of Ungrouped data & Frequency Polygon
3. L-5 Simultaneous Linear Equation
4. L-6 Indices
5. L-7 Logarithms
6. L-11 Quadrilaterals
7. L-12 Area of Parallelograms & Triangles
8. L-13 Chord Properties of a circle
9. L-14 Arc properties of Circle
10. L- 19 Volume & Surface Area of Solids
11. L-21 Coordinate Geometry
(Including Previous Chapters taught)